

Supplementary Information

# Effective Estimation of Ligand-Binding Affinity using Biased Sampling Method

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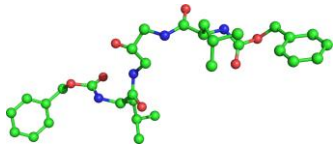
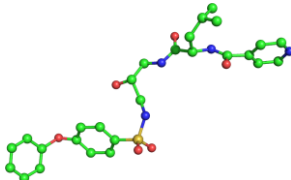
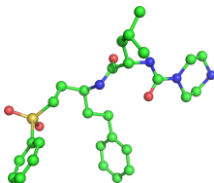
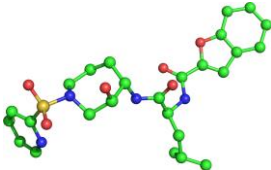
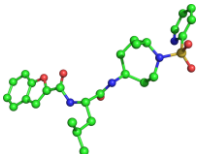
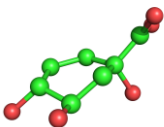
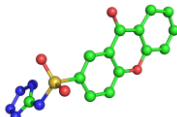
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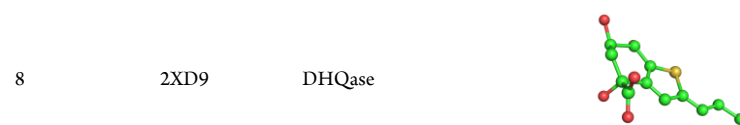
<sup>b</sup>Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Vietnam,

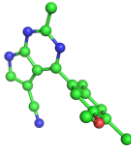
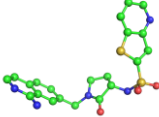
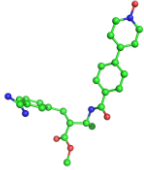
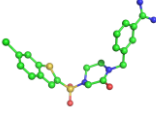
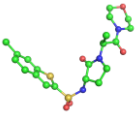
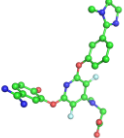
<sup>c</sup>NTT Hi-Tech Institute, Nguyen Tat Thanh University, Ho Chi Minh City, Vietnam.

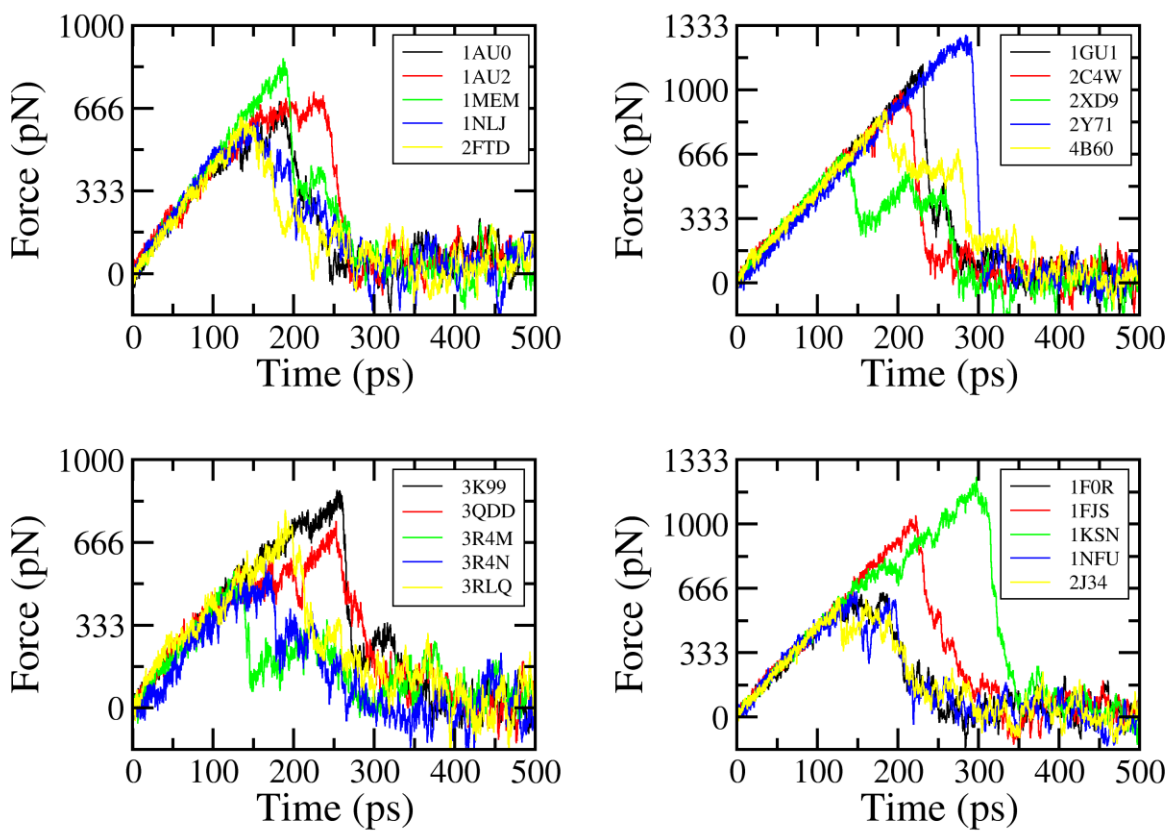
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**Table S1.** List of ligands and their structure

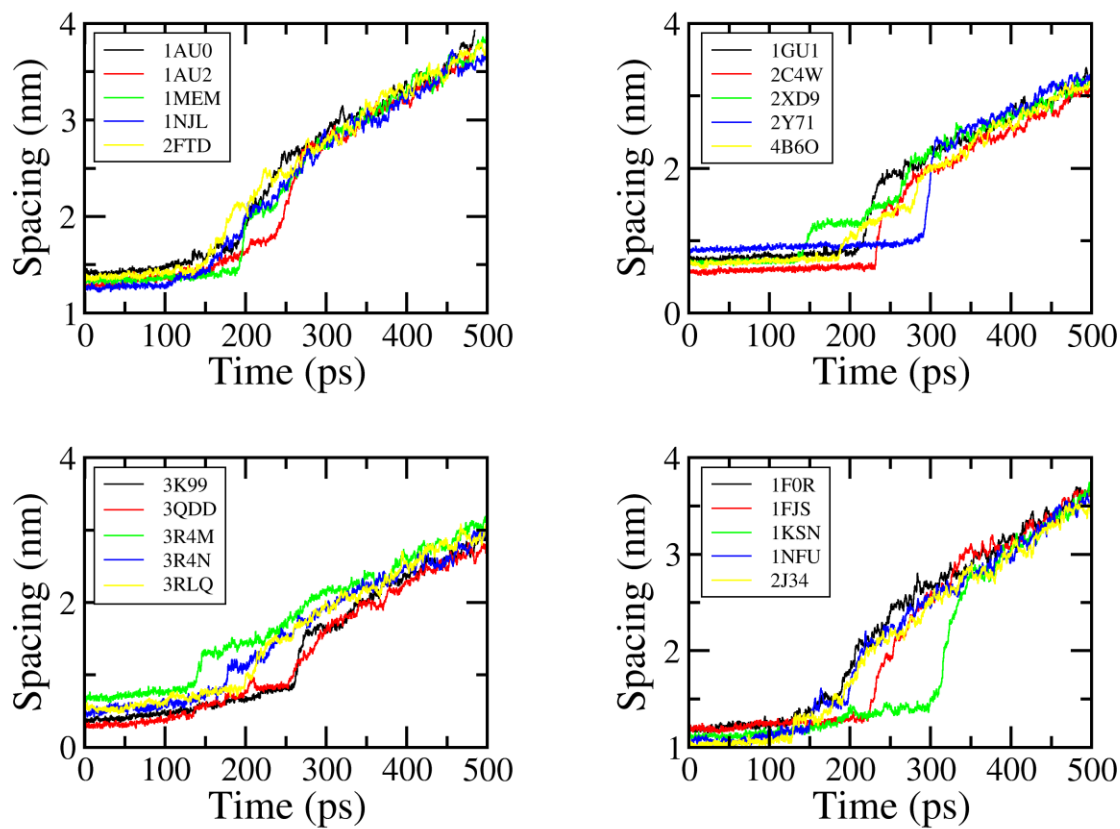
N#	Complexes	Protein	Ligand
1	1AU0	CTSK	
2	1AU2	CTSK	
3	1MEM	CTSK	
4	1NLJ	CTSK	
5	2FTD	CTSK	
<hr/>			
6	1GU1	DHQase	
7	2C4W	DHQase	



15	3RLQ	HSP90	
16	1FOR	FXa	
17	1KSN	FXa	
18	1NFU	FXa	
19	2J34	FXa	
20	1FJS	FXa	



**Figure S1.** The recorded values of pulling force over FPL simulations



**Figure S2.** The displacement of the ligand center of mass during FPL simulations